

Title (en)  
MAGNETIC ELEVATOR DOOR MOVER

Title (de)  
MAGNETISCHE AUFZUGSTÜRBEWEGUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF DE DEPLACEMENT DE PORTE D'ELEVATEUR MAGNETIQUE

Publication  
**EP 1706345 A4 20100310 (EN)**

Application  
**EP 03786791 A 20031117**

Priority  
US 0336754 W 20031117

Abstract (en)  
[origin: WO2005058738A2] An elevator door mover device (40) includes a threaded ferromagnetic shaft (42). Magnetic movers (48) associated with doors (26) generate magnetic fields that cause the doors to move responsive to rotation of the shaft (42). In one example, a controller (46) controls a speed of a motor (44) that drives the shaft (42). The controller (46) in some examples also selectively controls the strength of the magnetic fields of the movers, which provides more customizable door performance.

IPC 8 full level  
**B66B 13/00** (2006.01); **B66B 13/08** (2006.01)

IPC 8 main group level  
**B66B** (2006.01)

CPC (source: EP US)  
**B66B 13/08** (2013.01 - EP US); **E05F 15/60** (2015.01 - EP US); **E05F 15/652** (2015.01 - EP US); **E05Y 2201/43** (2013.01 - US); **E05Y 2201/46** (2013.01 - US); **E05Y 2201/706** (2013.01 - US); **E05Y 2900/104** (2013.01 - EP US)

Citation (search report)

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- [Y] US 5612518 A 19970318 - JAMINET JEROME F [US], et al
- [Y] JP S6352649 A 19880305 - NTN TOYO BEARING CO LTD
- [A] JP S6096170 A 19850529 - MATSUSHITA ELECTRIC IND CO LTD
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- [A] US 2002112410 A1 20020822 - ZHOU TIAN [CH], et al
- See references of WO 2005058738A2

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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